

Highlights

Crude oil

- Monthly average crude oil prices saw decreases in all sales categories in September. The average domestic crude oil first purchase price fell \$2.43 (6.2%) to \$36.99 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil declined \$2.36 (6.6%) to \$33.66 per barrel. The average landed cost of foreign crude oil fell \$2.85 (7.1%) to \$37.28 per barrel.
- The average refiner acquisition cost for domestic crude oil decreased \$2.42 (5.7%) to \$40.40 per barrel. The average cost of imported crude oil declined \$2.92 (7.0%) to \$38.80 per barrel. The composite refiner acquisition cost for crude oil fell \$2.58 (6.1%) to \$39.83 per barrel.

Petroleum products

Motor gasoline

- Refiner monthly average prices for motor gasoline also declined in September. The average retail price fell 1.0 cent to \$1.804 per gallon, while the average wholesale price dropped 3.5 cents to \$1.354 per gallon.
- Finished motor gasoline sales made by refiners decreased in September. Total sales declined 4.3 million gallons per day (1.4%) to an average of 293.5 million gallons per day. Retail sales fell 100,000 gallons per day (0.5%), while wholesales decreased 4.2 million gallons per day (1.5%). DTW sales made up 6.7% of wholesales, while rack and bulk sales accounted for 90.7% and 2.6%, respectively.

No. 2 distillate

- Prices for refiner sales of No. 2 distillates fell in September. The average price for No. 2 diesel fuel sold to end users dropped 6.9 cents to \$1.387 per gallon, while the average wholesale price declined 8.0 cents to \$1.195 cents per gallon. The average retail price for No. 2 fuel oil sales fell 5.3 cents to \$1.411 per gallon, while the average wholesale price decreased 8.8 cents to \$1.091 per gallon.
- Refiner sales of No. 2 ultra-low sulfur diesel fuel increased to 159.8 million gallons per day in September. Retail sales rose 300,000 gallons per day (3.4%), while wholesales increased 7.8 million gallons per day (5.5%).

Residual fuel oil

- Prices for refiner sales of residual fuel oil followed the general downward trend seen in the market during September. The average retail price for residual fuel oil fell 2.4 cents to \$1.200 per gallon, while the average wholesale price declined 6.9 cents to \$1.066 per gallon.
- Refiner residual fuel oil sales increased 1.8 million gallons per day (29.5%) to 7.9 million gallons per day in September. Retail sales rose 200,000 gallons per day (11.8%), while wholesales climbed 1.6 million gallons per day (36.4%).

Other products

- Refiner prices for sales of the remaining surveyed products mostly show decreases in September. Propane and kerosene-type jet fuel prices fell at both retail and wholesale, while prices for kerosene increased in both sales categories. Aviation gasoline prices declined at the retail, but rose at wholesale, while the price for No. 1 distillate fell at the wholesale level.
- Refiner sales of these products show mixed trends in September. Sales of propane increased at both retail and wholesale, while aviation gasoline sales show the opposite trend. Kerosene-type jet fuel sales fell at the retail level, but rose at wholesale. No. 1 distillate sales increased at the wholesale, while kerosene sales decreased in the same category.

Table HL1. U.S. refiner prices and volumes of petroleum products

prices: dollars per gallon excluding taxes, volumes: million gallons per day

Products	Sales to end users						Sales for resale					
	September 2020		August 2020		September 2019		September 2020		August 2020		September 2019	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor gasoline	1.804	20.5	1.814	20.6	2.242	24.1	1.354	273.0	1.389	277.2	1.854	302.1
Conventional	1.637	12.9	1.653	13.0	2.080	15.1	1.301	189.6	1.329	192.4	1.773	203.2
Regular	1.573	11.2	1.589	11.3	2.026	13.3	1.260	166.2	1.287	168.9	1.729	181.0
Midgrade	1.886	0.7	1.893	0.7	2.310	0.7	1.471	1.1	1.504	1.2	1.956	1.2
Premium	2.183	1.0	2.193	1.0	2.586	1.1	1.597	22.2	1.637	22.3	2.135	20.9
Reformulated	2.087	7.6	2.089	7.6	2.516	8.9	1.474	83.4	1.523	84.7	2.020	98.9
Regular	1.957	5.4	1.962	5.5	2.393	6.5	1.414	67.5	1.463	69.0	1.954	82.3
Midgrade	2.299	0.8	2.295	0.8	2.748	0.9	1.604	0.4	1.662	0.4	2.223	0.6
Premium	2.475	1.4	2.472	1.4	2.914	1.5	1.731	15.5	1.792	15.3	2.352	16.1
Aviation gasoline	2.785	0.0	2.805	0.0	W	W	2.246	0.4	2.219	0.4	2.829	0.5
Kerosene-type jet fuel	1.110	20.2	1.188	21.1	1.937	32.1	1.076	18.7	1.162	17.8	1.898	44.3
Propane (consumer grade)	0.508	3.4	0.541	2.4	0.473	3.4	0.516	22.7	0.536	18.0	0.477	27.7
Kerosene	W	W	3.163	0.0	3.203	0.0	1.256	0.5	1.250	0.8	1.984	1.2
No. 1 distillate	NA	NA	W	W	2.348	0.1	1.445	0.4	1.526	0.2	2.264	0.4
No. 2 distillate	1.388	9.5	1.456	9.4	2.102	12.3	1.192	157.7	1.273	147.8	1.954	164.5
No. 2 fuel oil	1.411	0.1	1.464	0.1	2.200	0.1	1.091	6.0	1.179	3.4	1.901	4.1
No. 2 diesel fuel	1.387	9.5	1.456	9.3	2.101	12.2	1.195	151.7	1.275	144.3	1.955	160.3
Ultra low sulfur	1.388	9.2	1.463	8.9	2.106	11.9	1.196	150.6	1.277	142.8	1.955	158.8
Low sulfur	W	W	W	W	W	W	W	W	W	W	-	-
High sulfur	W	W	W	W	W	W	W	W	W	W	1.963	1.5
No. 4 fuel[a]	-	-	-	-	-	-	W	W	W	W	W	W
Residential fuel oil	1.200	1.9	1.224	1.7	1.560	3.2	1.066	6.0	1.135	4.4	1.337	7.5
Sulfur content not > 1%	W	W	W	W	W	W	1.098	4.0	1.189	2.4	W	W
Sulfur content > 1%	1.035	W	1.026	W	1.511	W	1.000	2.0	1.068	1.9	1.325	W

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - In January 2007, ultra low-sulfur diesel fuel was added. - All on-highway diesel must be ultra low-sulfur as of December 1, 2010 - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2019 are final. Total volumes may not equal the sum of the components because of rounding.

Source: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

Figure HL1. Crude oil and petroleum product wholesale prices

